


## Safety Data Sheet

Note: Hazard testing for the PMN substance has not been performed. All hazards listed on this SDS are based on bisphenol A (CAS RN 80-05-7).

## 1 Identification

<b>Product Identifier</b>	<b>RevoTherm™ RT1000B</b>
<b>Initial Supplier</b>	Presidium USA, Inc. PO Box 2396 Darien, CT 06820
<b>Recommended use and restriction on use</b>	This product is to be used as a polyol for the production of a polymer. For industrial use only. Not intended for use by consumers or children.
<b>Emergency telephone number and any restrictions on the use of that number, if applicable</b>	Call +1-519-601-7977 between 9am and 5pm EST or IMMEDIATELY call your local poison control centre outside of these hours
<b>Substance or mixture</b>	Mixture – this product is polyol for a two-component product that creates a reaction and is cured to make various parts.

## 2 Hazard Identification

<b>Signal Word</b>	<b>DANGER</b>
<b>Pictographs</b>	
<b>Hazard Classifications and categories</b>	Serious eye damage/eye irritation (Category 1) Skin sensitisation (Category 1) Reproductive toxicity (Category 1B) Specific target organ toxicity - single exposure (Category 3), Respiratory system
<b>Hazard Statements</b>	May cause an allergic skin reaction. Causes serious eye damage. May cause respiratory irritation. May damage fertility or the unborn child
<b>Precautionary Statements</b>	
<b>PREVENTION</b>	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid breathing mist, vapours or spray. Use only outdoors or in a well-ventilated area.

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Contaminated work clothing must not be allowed out of the workplace.  
Wear impervious gloves, protective clothing, eye protection, and face protection.

**RESPONSE**

If exposed or concerned: Get medical advice/attention  
IF ON SKIN: Wash with plenty of water.  
If skin irritation or rash occurs: Get medical advice/ attention.  
Specific treatment (see information on this label)  
Wash contaminated clothing before reuse  
IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
Call a POISON CENTER or doctor if you feel unwell.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor.

**STORAGE**

Store in a well-ventilated place. Keep container tightly closed.  
Store locked up.

**DISPOSAL**

Dispose of contents and container to an approved waste disposal plant.

**Hazards not otherwise classified (HNOC):**

None known

### 3 Composition / Information on ingredients

Chemical Name	CAS #	Concentration (weight percent)
Bisphenol A	80-05-7	18-28

### 4 First Aid Measures

**Description of necessary first aid measures****INHALATION**

Remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration.

{01594.001 / 111 / 00256337.DOCX 10}Information for this safety data sheet was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries for consequential damages, which may result from the use or reliance on any information contained in this form.

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<b>INGESTION</b>	Do not induce vomiting. Never give anything by mouth to an unconscious person. Rinse out the mouth with water. Get medical attention immediately.
<b>SKIN CONTACT</b>	Immediately remove contaminated clothing and shoes. Wash the affected area with plenty of soap and water until no evidence of the chemical remains (at least 15-20 minutes). Launder clothing before reuse. Seek medical attention if symptoms occur.
<b>EYE CONTACT</b>	Immediately flush eyes with plenty of clean water for an extended time, not less than fifteen (15) minutes. Flush longer if there is any indication of residual chemical in the eye. Ensure adequate flushing of the eyes by separating the eyelids with fingers and roll eyes in a circular motion. Seek medical attention if irritation develops or persists.
<b>The most important symptoms and effects (acute or delayed)</b>	Causes serious eye damage. May cause an allergic skin reaction. Material is destructive to the tissue of the mucous membranes and upper respiratory tract. Causes respiratory tract irritation. May damage fertility or the unborn child.
<b>Immediate and special treatment</b>	Treat symptomatically.  A copy of this safety data sheet should accompany a worker seeking treatment for potential exposure to this product.

## 5 Fire-Fighting Measures

<b>Suitable and unsuitable extinguishing media</b>	Use water spray, foam, dry chemical or carbon dioxide.
<b>Special hazards</b>	Product is not considered a fire hazard, but will burn if ignited. Closed container may rupture (due to build up in pressure) when exposed to extreme heat. Irritating or toxic substances may be emitted upon burning, combustion or decomposition. See Section 10 Hazardous decomposition products for additional information.
<b>Special protective equipment and precautions for firefighters</b>	Wear self-contained breathing apparatus (SCBA) equipped with a full face piece and operated in a pressure-demand mode (or other positive pressure mode) and approved protective clothing. Personnel without suitable respiratory protection must leave the area to prevent significant exposure to hazardous gases from combustion, burning or decomposition. In an enclosed

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or poorly ventilated area, wear SCBA during cleanup immediately after a fire as well as during the attack phase of firefighting operations. See section 9 for additional information.

## 6 Accidental Release Measures

<b>Personal precautions</b>	Do not touch spilled material without personal protective equipment.
<b>Protective equipment</b>	See Section 8 for recommendations on the use of personal protective equipment.
<b>Emergency procedures</b>	If spilled in an enclosed area, ventilate. Eliminate ignition sources. Personal Protective Equipment must be worn.
<b>Method and materials for containment and clean up</b>	Do not flush product into public sewer, water systems or surface waters. Stop leak if without risk. Move containers from spill area. Contain by diking with sand, earth or other non-combustible material. Wear proper personal protective clothing and equipment. Absorb spill with an inert material. Place into labeled, closed container; store in safe location to await disposal. Change contaminated clothing and laundry before reuse.

## 7 Handling and Storage

<b>Precautions for safe handling</b>	As with any chemical product, use good laboratory/workplace procedures. Do not cut, puncture, or weld on or near the container. Use under well-ventilated conditions. Wash thoroughly after handling this product. Always wash up before eating, smoking or using the facilities. Avoid eye and skin contact. Avoid inhalation of aerosol, mist, spray, fume, vapor or dust generated by this product. Wash contaminated clothing before reuse. Discard shoes contaminated with this product.
<b>Conditions for safe storage including incompatibilities</b>	Keep away from heat, sparks and open flames. Store under well-ventilated conditions. Store this material away from incompatible substances (see section 10). Do not store in open, unlabeled or mislabeled containers. Keep container closed when not in use. Empty container contains residual product which may exhibit hazards of product. Do not reuse empty container without commercial cleaning or reconditioning.

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## 8 Exposure Controls / Personal Protection

### Appropriate engineering controls

Always provide effective general and, when necessary, local exhaust ventilation to draw spray, aerosol, fume, mist and vapor away from workers to prevent routine inhalation. Ventilation must be adequate to maintain air concentrations below occupational exposure standards. When necessary use mechanical handling to reduce human contact with materials. Eyewash fountains and safety showers are recommended in the work area.

### Individual protection measures/personal protective equipment

#### Eye/Face Skin

Safety glasses or goggles.  
Use good laboratory/ workplace procedures including personal protective clothing: lab coat and impervious gloves.

#### Respiratory

Wear an approved respirator (e.g., an organic vapor respirator, a full-face air purifying respirator for organic vapors, or a self-contained breathing apparatus) whenever exposure to aerosol, mist, spray, fume or vapor exceed the applicable exposure limit(s) of any chemical substance listed in this SDS.

Ingredient	Exposure limit value
Bisphenol A	Not established

## 9 Physical and Chemical Properties

Physical State	Liquid
Appearance	Clear
Color	Light amber
Odor	None
Odour Threshold	Not available
pH	6.0 – 8.0
Melting / Freezing Point °C	Not available
Initial Boiling Point / Boiling Range °C	Not available
Evaporation Rate	Not available
Flammability in the case of solids and gases	Not applicable
Flash Point °C	>136 ASTM D3828

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**Upper and Lower Flammability or Explosive Limits** Not available

**Auto-Ignition Temperature °C** >300

**Vapor Pressure** Not available

**Vapor Density** >1 (air=1)

**Relative Density** 1.10

**Solubility** Partially in water

**Partition Coefficient** Not available

**(n-Octanol/Water)**

**Decomposition Temperature °C** Not available

**Viscosity** Not available

## 10 Stability and Reactivity

**Reactivity** Stable under normal use and handling.

**Chemical stability** This product is stable.

**Possibility of hazardous reactions** Hazardous polymerization will not occur.

**Conditions to avoid** Excessive heat and ignition sources.

**Incompatible materials** Avoid strong acids, bases, and oxidizing agents. Avoid elevated temperatures.

**Hazardous decomposition products** Thermal decomposition may produce smoke, carbon monoxide, carbon dioxide, nitrogen oxides and other products of incomplete combustion.

## 11 Toxicological Information

**Likely route of exposure** Eyes, skin, inhalation

### Symptoms

**Eyes** Causes serious eye damage.

**Skin** May cause an allergic skin reaction.

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<b>Inhalation</b>	Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract. Causes respiratory tract irritation.
<b>Ingestion</b>	Not expected to be ingested.
<b>Delayed effects from short and long term exposure</b>	See symptoms and details provided in Section 4
<b>Carcinogenicity</b>	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by the International Agency for Research on Cancer ( IARC), listed in the National Toxicology Program (NTP) Report on Carcinogens or by OSHA.
<b>Mutagenicity</b>	Not available
<b>Reproductive toxicity</b>	May damage fertility or the unborn child.
<b>Other effects</b>	To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

<b>Numerical measures of toxicity including ATEs</b>	<b>LD<sub>50</sub> Oral</b>	<b>LD<sub>50</sub> Dermal</b>	<b>LC<sub>50</sub> (Gas, Vapor, Mist, Fume)</b>
Bisphenol A	>2,000 mg/kg rat	6,400 mg/kg rabbit	170 mg/m <sup>3</sup> rat 6 hours

## 12 Ecological Information

<b>Ecotoxicity, if available</b>	Not available
<b>Persistence and biodegradability</b>	Not expected to be readily biodegradable
<b>Bioaccumulative potential</b>	Not available
<b>Mobility in soil</b>	Not available
<b>Other adverse effects</b>	Not available

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## 13 Disposal Considerations

<b>Disposal instructions</b>	Dispose of unused contents (incineration) in accordance with national and local regulations.
<b>Disposal methods</b>	Dispose of container in accordance with national and local regulations. Ensure the use of properly authorized waste management companies, where appropriate. See section 8 for recommendations on the use of personal protective equipment.

## 14 Transportation Information

<b>UN Number</b>	NOT REGULATED
<b>Proper Shipping Name</b>	Not applicable
<b>Hazard Class(es)</b>	Not applicable
<b>Packing Group</b>	Not applicable
<b>Environmental Hazards</b>	Not applicable
<b>Special precautions</b>	Not applicable
<b>Label</b>	None
<b>Classification Statement</b>	This product is not classified in accordance with the Transportation of Dangerous Goods Regulations and 49CFR DOT regulations.

## 15 Regulatory Information


<b>US TSCA Inventory Status</b>	The product contains a substance that is not listed on the TSCA Inventory. The product may only be used in the U.S. for research and development activities in accordance with 40 C.F.R. §720.36.
<b>Significant New Use Rule</b>	None
<b>OSHA SARA III</b>	
<b>Emergency Planning (301-303)</b>	None
<b>Emergency Release (304)</b>	None
<b>Storage reporting (311-312)</b>	Acute, Chronic

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**Toxic Chemical Release Inventory (313)** 4,4'-Isopropylidenediphenol is listed as 313 at 1%, reporting threshold for manufacturing and processing is 25,000 lbs and reporting for other uses is 10,000 lbs.

**California Proposition 65** Bisphenol A is listed a Proposition 65 Female Reproductive toxin.  
 **WARNING:** This product contains Bisphenol A, known to the State of California to cause birth defects or other reproductive harm. For more information, go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

**HMIS** 3\*-1-0

## 16 Other Information

**Date of the latest revision** November 30, 2018  
**Revision number** 5  
**Revision details** Revision of Section(s) General formatting, 2, 4, 14.